



TRD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

ENDRES ET AL.

Serial No.: 10/782,316

Filed: February 19, 2004

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} Art Unit: 2681

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} Examiner: Not Yet Known
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For: JOINT, ADAPTIVE CONTROL OF EQUILIZATION, SYNCHRONIZATION,
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INFORMATION DISCLOSURE STATEMENT

Sir:

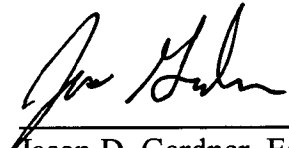
In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), the patent publications listed on the attached PTO/SB/08A are submitted for consideration by the Examiner. Copies of all non-US patent references and/or non-patent literature documents are enclosed.

Submission of the references provided in this Information Disclosure is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the filing

of this Information Disclosure Statement shall not be construed to mean that a search has been made, or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. If a fee is due, the Commissioner is authorized to charge such fee and any additional fees that may be due or credit any overpayment to Deposit Account No. 11-0855.

Respectfully submitted,



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Attorney Docket No.: S0465/283640



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/E.B./		US- RE35,774	04-21-1998	Moura et al.	
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Examiner Signature	/Emmanuel Bayard/	Date Considered	03/31/2008
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/782,316	
			Filing Date	February 19, 2004	
			First Named Inventor	Endres	
			Art Unit	2681	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	8	Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/E.B./		US- 4,821,097	08-11-1989	Robbins	
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/E.B./		US- 5,293,633	03-08-1994	Robbins	

Examiner Signature	/Emmanuel Bayard/	Date Considered	03/31/2008
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			Filing Date	February 19, 2004	
			First Named Inventor	Endres	
			Art Unit	2681	
			Examiner Name	Not Yet Assigned	
Sheet	3	of	8	Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS					
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		Number - Kind Code ² (if known)			
/E.B./		US- 5,321,514	06-14-1994	Martinez	
		US- 5,327,460	07-05-1994	Batrani	
		US- 5,357,284	10-18-1994	Todd	
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Examiner Signature	/Emmanuel Bayard/	Date Considered	03/31/2008
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		Number - Kind Code ² (if known)			
/E.B./		US- 5,956,346	09-21-1999	Levan	
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/E.B./		US- 4,882,725	11-21-1989	Noda et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 8

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
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		Number - Kind Code ² (if known)			
/E.B./		US- 6,310,548	10-30-2001	Stephens, Jr. et al.	
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/E.B./		US- 6,018,526	01-25-2000	Liu et al.	

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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/E.B./		WO 00/72446	11-30-2000	Duncan et al.		
		WO 02/07425	01-24-2002	Womell et al.		
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/E.B./		WO 99/55087	10-28-1999	Encamera Sciences		

Examiner
Signature

/Emmanuel Bayard/

Date
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 6 of 8

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Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/E.B./		Lucky, R.W.: "Techniques for adaptive equalization of digital communication systems" <i>Bell Systems Technical Journal</i> , vol. 45, no. 2, pp. 255-286, Feb. 1966.	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

Sheet 7 of 8

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/E.B./		Press Release of WavePhore, Inc. entitled "WavePhore and the Canadian Broadcasting Corporation Enter an Agreement to Deliver Data Broadcasting Nationwide in Canada," dated March 29, 1995	
/E.B./		Advertisement in <u>Investor's Business Daily</u> , "Technology Offers TV Broadcasters An Avenue Into Interactive Services", Monday, April 19, 1993	
/E.B./		News Release of WavePhore, entitled "WavePhore and Belcom Sign Agreement to Co-Develop Russian Data Broadcasting System" (two pages, believed to have been released April 10, 1995)	
/E.B./		Press Release of WavePhore entitled "FCC Proposed to Allow Digital Data Transmission Within the Video Portion of TV Broadcasts, in Response to WavePhore's Request, (two pages, believed to have been released April 25, 1995)	
/E.B./		Advertisement in <u>The Indianapolis News</u> , WavePhore Stock Is On Roll", dated May 23, 1995	
/E.B./		Advertisement in <u>Investor's Business Daily</u> , "Intel, WavePhore Set Technology Alliance, dated Monday, May 8, 1995	
/E.B./		Press Release, entitled "Intel and WavePhore Sign Technology And Investment Agreement, (two pages, believed to have been released May 5, 1995)	
/E.B./		Advertisement, <u>The Arizona Republic Business</u> , "Tempe firm, Intel Team Up to Send Data via TV", dated Saturday, May 6, 1995	
/E.B./		Advertisement, <u>Arizona Business Gazette</u> , entitled "Skyway System Rides TV Signals to Distribute Data -- Speed Key to WavePhore Technology", dated July 13, 1995	
/E.B./		Advertisement, <u>Arizona Business Gazette</u> , entitled "Motivated CEO Leads WavePhore", dated July 13, 1995	
/E.B./		Press Release of WavePhore, entitled "WavePhore Develops Data Casting System for Television Azteca In Mexico (two pages, believed to have been released August 8, 1995)	
/E.B./		Press Release of WavePhore, entitled "WavePhore and Arizona State University Launch Distance Learning Service, (two pages, believed to have been released August 17, 1995)	

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		"Digital Data Transmission Within the Video Portion of Television Broadcast Station Transmissions", MM docket No. 05-42.	
/E.B./		G.M. Glasford, <u>Fundamentals of Television Engineering</u> , McGraw-Hill 1955.	
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		V. Thomas Rhyne, "Fundamentals of Digital System Design."	
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/E.B./		Tanenbaum, A. "Computer Networks," Prentice Hall 1996, ISBN 0-1-349945-6.	
/E.B./		Spohn, D.L., "Data Network Design," McGraw Hill, 1993 ISBN 0-07-06-360-X.	
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/E.B./		Ariyavisitakul et al. "Joint Coding and Decision Feedback Equalization for Broadband Wireless Channels" IEEE; December 1998; pgs 1670-1678; Vol.19; No. 9	

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